ROKIO

---Welding protection expert---

Auto -Darkening Welding Helmet

KM-Series

User Manual

1、Product Characteristics ----------2
2、User Manual ----------2
3、Picture Introduction ----------3
4、Technical Parameters ----------4
5、Matters Attention ----------4
6、Product Maintance ----------4
7、Product Diagram ----------5

1. Product Characteristics

a. High strong materials and fire retardant, can prevent resistance ,anti-aging
b. High definition protective filter,you can see the welding conditions clearly when welding the goods. Welding luminosity is soft and comfortable.
c. It works the moment you start work,this products adopts advanced circuit design. Striking the arc,the observing window darkens immediately.
d. Permanent UV/ IR protection
e. Fashion appearance,ultra light designing,wearing comfortable.
f. High performance solar cells and lithium battery
g. Sensitivity and delay time can be adjustable.
h. Grinding and welding mode can be chosen.

2. User Manual

a. The welding helmet is suitable for all types of the electro-weldings:arc welding , gas shielded welding, etc. except laser welding.
b. Before using,please move the protective film away from the screening glass, which located front and back of the lens.
c. Shading Adjustment:
- the adjustment knob on the left side of the auto helmet(refer to the picture introduction)
- Open the switch,adjust the button,according to the electric circuit to choose the suitable shading No.

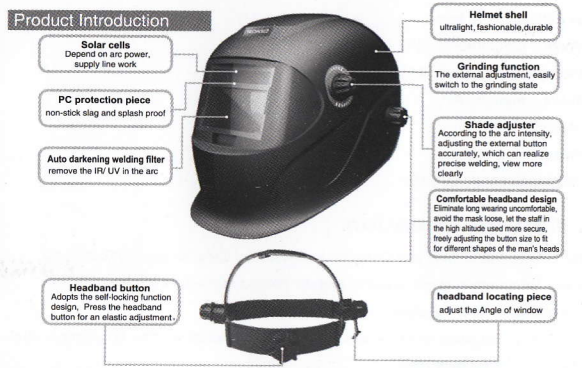
d. Sensitivity Adjustment :
- the adjustment knob on the upper-left of the LCD core box (refer to the picture introduction)
- Namely the response time:from the light shade to the dark shade.By adjusting the button “Sensitivity”to change the sensitivity which receiving the signal of the electric welding light.you can adjust a little higher when the welding current is low.

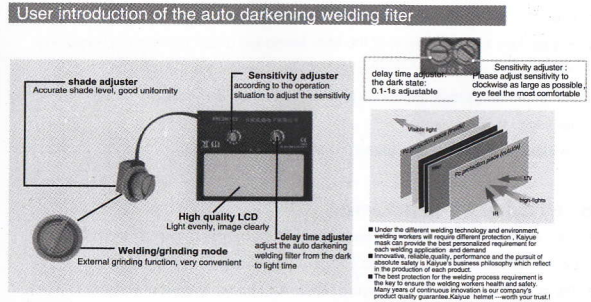
e. Delay time adjustment :
- the Knob locate on the upper-right of the auto helmet (refer to the picture introduction)

- Namely the response time:from the dark shade to the light shade,By adjusting the button “Delay ”to change the delay time of the lens.

f. Headband adjustment :
- Headband adjustment knob (refer to the picture introduction)
- Press the headband button, meanwhile turning the adjustment screw to select an appropriate diameter and fix it for the comfortable wear.

3. Picture Introduction


Product Introduction
Helmet shell
ultralight, fashionable,durable
Solar cells
Depend on arc power, supply line work
Grinding function
The external adjustment, easily switch to the grinding state
PC protection piece
non-stick slag and splash proof
Shade adjuster
According to the arc intensity, adjusting the external button accurately, which can realize precise welding, view more clearly
Auto darkening welding filter
remove the IR/ UV in the arc
Comfortable headband design
Eliminate long wearing uncomfortable, avoid the mask loose, let the staff in the high altitude used more secure, freely adjusting the button size to fit for different shapes of the man's heads
Headband button
Adopts the self-locking function design, Press the headband button for an elastic adjustment.
headband locating piece
adjust the Angle of window


User introduction of the auto darkening welding fiter
shade adjuster
Accurate shade level, good uniformity
Sensitivity adjuster
according to the operation situation to adjust the sensitivity
delay time adjuster:
the dark state:
0.1-1s adjustable
Sensitivity adjuster :
Please adjust sensitivity to clockwise as large as possible, eye feel the most comfortable
High quality LCD
Light evenly, image clearly
delay time adjuster
adjust the auto darkening welding filter from the dark to light time
Welding/grinding mode
External grinding function, very convenient
Under the different welding technology and environment, welding workers will require different protection , Kaiyue mask to provide the best personalized requirement for each welding worker demand
Innovative, reliable quality, performance and the pursuit of absolute safety is Kaiyue's business philosophy which reflect in the production of each product.
The best protection for the welding process requirement is the key to ensure the welding workers health and safety. Many years of continuous innovation is our company's product quality guarantee.Kaiyue helmet---worth your trust.!

4. Technical Parameters

a. Light states: DIN 4
b. Dark states: DIN9-13 free adjustment (Outside Variable)
c. Cartridge Size: 103 X 54X 6mm 96 X 48X 6mm
d. View Area: 100X 49mm 93X 43mm
e. Response time(bright to dark) : < 1/30000 seconds (normal temperature conditions)
f. The return time (dark to bright) : adjustable: 0.15 S ~ 0.8 S
g. Sensitivity (welding based on current size) : adjustable: low/high
h. Battery: lithium battery + solar cells .
i. Uv protection: 16 levels
j. Working temperature: -5°C ~ 55°C (23°F ~ 131°F)
k. Storage temperature: -20°C ~ 70°C (-4 °F ~ 158 °F)
l. Masks materials: PP
m. Weight: 450G
n. Warranty : 2 years
o. life expectancy : 10 years

5. Matters Attention

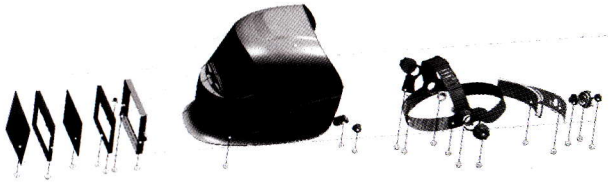
a. Sensitivity Adjustment and Delay time adjustment have an great effect on the vision when working with welding helmet. Please make sure to select an appropriate angle according to your own habit.
b. The protection piece must be assembled to front and back of the filter lens,or the filter lens will be destroied.
c. The protection piece should be provided by the manufacturer.
d. Any broken and scratching of the filter frame will affect the viewing angle and reduce the protective ability,Pls replace the frame once you find this matter .
e. The protection piece should be replaced if broken and scratching,Don't touch the lens with tough objects
f. Pls often replace the sweatband

6. Product Maintance

a. Pls use clean cotton cloth to clean the protection piece and frame.Don't use corrodent such as alcohol, gas,corrosive liquid,organic solvent,etc.
b. Pls store the product in the drying place. And preventing from water and damp.

c. Pls turn off the shade switch to reduce the power consumption when long time no using.

7. Product Diagram



1.Filter protection piece
2.Filter former frame
3.Filter
4.Filter outer frame
5.Sensitivity knob
6.Delay knob
7.Filter frame fixed frame
8.Helmets
9. Shade knob
11.Segmental positioning plate
12.Sweat band
13.Positioning point for the segmental plate
14.Head band
15.Outer round gasket
16.Block nut
17.Headband tightness fixed knob
18. Headband tightness adjusting knob
19.Block nut
20.Adjusting nut
21.Adjusting knob